

AMENDMENTS TO THE CLAIMS

1. (currently amended): A program product, comprising:

a) a database that is compatible with multiple end-user systems, the database comprising:

a data section that includes comprising a plurality of data tables, each data table including a plurality of data records that each have one or more features that affect its compatibility with one or more of the end-user systems, each data record including a feature field that contains one or more feature bits representative of each of its features;  
and

a structure section that includes at least a comprising a plurality of feature mask tables, the each feature mask table including data a feature mask record for each of the multiple end-user systems that use one or more of the data tables that include the data records having one or more features, each feature mask record including one or more feature mask values that indicate[[s]] whether a particular one of the data records is the one or more features of a data record are compatible with one or more of the end-user systems, and thereby indicate whether the data record is compatible with one or more of the end-user systems;

and

b) at least one physical computer-readable medium having said database stored thereon.

2-5 (canceled).

6. (original): The program product of Claim 1, wherein the structure section further comprises a system identification table that includes data that uniquely identifies each of the end-user systems.

7. (original): The program product of Claim 6, wherein the system identification table comprises a plurality of system identification records, each system identification record associated with each of the end-user systems.

8. (currently amended): The program product of Claim 1, wherein:  
the data section comprises a plurality of data tables, each data table including a plurality of the data records; and  
the structure section further comprises a table pointer table that includes data that uniquely describes at least each of the data tables.

9. (original): The program product of Claim 8, wherein:  
the table pointer table comprises a plurality of table pointer records; and  
at least one table pointer record is associated with each of the data tables.

10. (original): The program product of Claim 9, wherein each table pointer record includes data representative of at least:  
a location of the associated data table;  
a number of the data records in the associated table; and  
a size of each data record in the associated data table.

11. (currently amended): The program product of Claim 1, wherein:  
each data record includes ~~one or more~~ a plurality of fields in addition to the feature field; and  
the structure section further comprises a field definition table that includes at least data representative of each of the data record fields.

12. (original): The program product of Claim 11, wherein the structure section further comprises one or more return type tables, each return type table including data representative of a format of each of the data record fields.

13. (original): The program product of Claim 1, further comprising:  
a header section that includes data representative of indicia that is used to identify the database.

14. (original): The program product of Claim 13, wherein the header section further includes data representative of a location of the structure section.

15. (currently amended): A method of generating a database that is compatible with multiple end-user systems, the method comprising the steps of:

generating a data section;

storing a plurality of data records in the data section, each data record including a feature field;

associating one or more features with each data record;

supplying each feature field with one or more feature bits that represent each of the features associated therewith;

dividing the data section into a plurality of data tables that each include a plurality of the data records; and

generating a feature mask that includes ~~data~~ structure section that comprises a plurality of feature mask tables, each feature mask table including a feature mask record for each of the end-user systems that use one or more of the data tables that include the data records having one or more features; and

including one or more feature mask values, in each feature mask record, that indicate[[s]] whether a particular one of the stored data records is the one or more features of a data record are compatible with one or more of the end-user systems, to thereby indicate whether the data record is compatible with one or more of the end-user systems.

16-19 (canceled).

20. (original): The method of Claim 15, further comprising:

generating a system identification table that includes data that uniquely identifies each of the end-user systems.

21. (original): The method of Claim 20, further comprising:  
including a plurality of system identification records in the system identification table, each system identification record associated with each of the end-user systems.

22. (currently amended): The method of Claim 15, further comprising:  
~~dividing the data section into a plurality of data tables that each include a plurality of the data records;~~ and  
generating a table pointer table that includes data that uniquely describes at least each of the data tables.

23. (original): The method of Claim 22 further comprising:  
including a plurality of table pointer records in the table pointer table, at least one table pointer record is associated with each of the data tables.

24. (original): The method of Claim 23, further comprising:  
supplying each table pointer record with data representative of at least (i) a location of the associated data table, (ii) a number of the data records in the associated table and (iii) a size of each data record in the associated data table.

25. (currently amended): The method of Claim 15, further comprising:  
including ~~one or more~~ a plurality of fields, in addition to the feature field, in each data record; and  
generating a field definition table that includes at least data representative of each of the data record fields.

26. (original): The method of Claim 25, further comprising:  
generating one or more return type tables, each return type table including data representative of a format of each of the data record fields.

27. (original): The method of Claim 15, further comprising:  
generating a structure section and including the feature mask therein;  
generating a header section; and  
supplying the header section with data representative of indicia that is used to identify the database.

28. (original): The method of Claim 27, wherein the header section further includes data representative of a location of the structure section.

29-36 (canceled).

37. (currently amended): A computer system, comprising:  
a processor;  
memory in operable communication with the processor; and  
a database stored in the memory, the database compatible with multiple end-user systems and including:

a data section that includes comprising a plurality of data tables, each data table including a plurality of data records that each have one or more features that affect its compatibility with one or more of the end-user systems, each data record including a feature field that contains one or more feature bits representative of each of its features,  
and

a structure section that includes a comprising a plurality of feature mask tables, the each feature mask table including data a feature mask record for each of the multiple end-user systems that use one or more of the data tables that include the data records having one or more features, each feature mask record including one or more feature mask values that indicate[[s]] whether a particular one of the data records is the one or more features of a data record are compatible with one or more of the end-user systems, and thereby indicate whether the data record is compatible with one or more of the end-user systems.

38-41 (canceled).

42. (original): The system of Claim 37, wherein the structure section further comprises a system identification table that includes data that uniquely identifies each of the end-user systems.

43. (original): The system of Claim 42, wherein the system identification table comprises a plurality of system identification records, each system identification record associated with each of the end-user systems.

44. (currently amended): The system of Claim 37, wherein:  
~~the data section comprises a plurality of data tables, each data table including a plurality of the data records; and~~  
the structure section further comprises a table pointer table that includes data that uniquely describes at least each of the data tables.

45. (original): The system of Claim 44, wherein:  
the table pointer table comprises a plurality of table pointer records; and  
at least one table pointer record is associated with each of the data tables.

46. (original): The system of Claim 45, wherein each table pointer record includes data representative of at least:

- a location of the associated data table;
- a number of the data records in the associated table; and
- a size of each data record in the associated data table.

47. (currently amended): The database of Claim 37, wherein:  
each data record includes ~~one or more~~ a plurality of fields in addition to the feature field; and  
the structure section further comprises a field definition table that includes at least data representative of each of the data record fields.

48. (original): The system of Claim 47, wherein the structure section further comprises one or more return type tables, each return type table including data representative of a format of each of the data record fields.

49. (currently amended): A flight management system, comprising:  
memory;

a navigation database stored in the memory, the navigation database compatible with multiple flight management systems and including:

a data section that includes comprising a plurality of data tables, each data table including a plurality of navigational data records that each have one or more features that affect its compatibility with one or more of the flight management systems, each data record including a feature field that contains one or more feature bits representative of each of its features, and

a structure section that includes a comprising a plurality of feature mask tables, the each feature mask table including data a feature mask record for each of the flight management systems that use one or more of the data tables that include the navigational data records having one or more features, each feature mask record including one or more feature mask values that indicate[[s]] whether a particular one of the navigational data records is the one or more features of a navigational data record are compatible with one or more of the flight management systems, and thereby indicate whether the data record is compatible with one or more of the flight management systems; and  
a processor configured to generate an aircraft flight plan based at least in part on the navigational data stored in the navigation database.